

185 Minnefield
AU 1813 #9
DATE: 09/01/94
TIME: 16:31:51
RAW SEQUENCE LISTING
PATENT APPLICATION US/08/170,344

INPUT SET: S8471.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT:

(A) NAME: KAST, Wybe, Martin
(B) STREET: Maria Rutgersweg 106
(C) CITY: Leiden
(D) STATE: Zuid-Holland
(E) COUNTRY: the Netherlands
(F) POSTAL CODE (ZIP): 2331 NX

(A) NAME: MELIEF, Cornelis, Joseph, Maria
(B) STREET: Johan Vermeerstraat 15
(C) CITY: Heemstede
(D) STATE: Zuid-Holland
(E) COUNTRY: the Netherlands
(F) POSTAL CODE (ZIP): 2102 BT

(A) NAME: SETTE, Alessandro, D.
(B) STREET: 5551 Linda Rosa Avenue
(C) CITY: La Jolla
(D) STATE: California
(E) COUNTRY: United States of America
(F) POSTAL CODE (ZIP): 92307

(A) NAME: SIDNEY, John, C.
(B) STREET: 8541 D Villa La Jolla Drive
(C) CITY: La Jolla
(D) STATE: California
(E) COUNTRY: United States of America
(F) POSTAL CODE (ZIP): 92307

(ii) TITLE OF INVENTION: Peptides of human papilloma virus for use in
human T-cell response inducing compositions

(iii) NUMBER OF SEQUENCES: 80

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: COOPER & DUNHAM
(B) STREET: 30 Rockefeller Plaza
(C) CITY: New York
(D) STATE: New York
(E) COUNTRY: USA
(F) ZIP: 10112

RAW SEQUENCE LISTING
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TIME: 16:31:56

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47 (v) COMPUTER READABLE FORM:
48 (A) MEDIUM TYPE: Floppy disk
49 (B) COMPUTER: IBM PC compatible
50 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
51 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30B (EPO)
52
53 (vi) CURRENT APPLICATION INFORMATION:
54 (A) APPLICATION NUMBER: 08/170,344
55 (B) FILING DATE: 30-MAR-1994
56 (C) CLASSIFICATION:
57
58 (vii) PRIOR APPLICATION DATA:
59 (A) APPLICATION NUMBER: PCT/NL93/00093
60 (B) FILING DATE: 04-MAY-1993
61
62 (vii) PRIOR APPLICATION DATA:
63 (A) APPLICATION NUMBER: EP 92201252.1
64 (B) FILING DATE: 05-MAY-1992
65
66 (vii) PRIOR APPLICATION DATA:
67 (A) APPLICATION NUMBER: EP 92203870.8
68 (B) FILING DATE: 10-DEC-1992
69
70
71 (vii) PRIOR APPLICATION DATA:
72 (A) APPLICATION NUMBER: EP 93200243.9
73 (B) FILING DATE: 01-FEB-1993
74
75 (vii) PRIOR APPLICATION DATA:
76 (A) APPLICATION NUMBER: EP 93200621.6
77 (B) FILING DATE: 05-MAR-1993
78
79 (viii) ATTORNEY/AGENT INFORMATION:
80 (A) Moran, Thomas F.
81 (B) REGISTRATION NUMBER: 16,579
82 (C) REFERENCE/DOCKET NUMBER: 2805/45113
83
84 (ix) TELECOMMUNICATION INFORMATION:
85 (A) TELEPHONE: (212) 977-9550
86 (B) TELEFAX: (212) 977-9809
87 (C) TELEX: 422523 COOP UI
88
89
90 (2) INFORMATION FOR SEQ ID NO: 1:
91
92 (i) SEQUENCE CHARACTERISTICS:
93 (A) LENGTH: 9 amino acids
94 (B) TYPE: amino acid
95 (C) STRANDEDNESS: unknown
96 (D) TOPOLOGY: unknown
97
98 (ii) MOLECULE TYPE: peptide
99

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100 (iii) HYPOTHETICAL: NO
101
102 (iv) ANTI-SENSE: NO
103
104
105
106
107 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
108
109 Ala Met Phe Gln Asp Pro Gln Glu Arg
110 1 5
111
112 (2) INFORMATION FOR SEQ ID NO: 2:
113
114 (i) SEQUENCE CHARACTERISTICS:
115 (A) LENGTH: 9 amino acids
116 (B) TYPE: amino acid
117 (C) STRANDEDNESS: unknown
118 (D) TOPOLOGY: unknown
119
120 (ii) MOLECULE TYPE: peptide
121
122 (iii) HYPOTHETICAL: NO
123
124 (iv) ANTI-SENSE: NO
125
126
127
128
129 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
130
131 Lys Leu Pro Gln Leu Cys Thr Glu Leu
132 1 5
133
134 (2) INFORMATION FOR SEQ ID NO: 3:
135 (i) SEQUENCE CHARACTERISTICS:
136 (A) LENGTH: 9 amino acids
137 (B) TYPE: amino acid
138 (C) STRANDEDNESS: unknown
139 (D) TOPOLOGY: unknown
140
141 (ii) MOLECULE TYPE: peptide
142
143 (iii) HYPOTHETICAL: NO
144
145 (iv) ANTI-SENSE: NO
146
147
148
149
150 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
151
152 Gln Leu Cys Thr Glu Leu Gln Thr Thr

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153 1 5
154
155 (2) INFORMATION FOR SEQ ID NO: 4:
156
157 (i) SEQUENCE CHARACTERISTICS:
158 (A) LENGTH: 9 amino acids
159 (B) TYPE: amino acid
160 (C) STRANDEDNESS: unknown
161 (D) TOPOLOGY: unknown
162
163 (ii) MOLECULE TYPE: peptide
164
165 (iii) HYPOTHETICAL: NO
166
167 (iv) ANTI-SENSE: NO
168
169
170
171
172 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
173
174 Leu Cys Thr Glu Leu Gln Thr Thr Ile
175 1 5
176
177 (2) INFORMATION FOR SEQ ID NO: 5:
178
179 (i) SEQUENCE CHARACTERISTICS:
180 (A) LENGTH: 9 amino acids
181 (B) TYPE: amino acid
182 (C) STRANDEDNESS: unknown
183 (D) TOPOLOGY: unknown
184
185 (ii) MOLECULE TYPE: peptide
186
187 (iii) HYPOTHETICAL: NO
188
189 (iv) ANTI-SENSE: NO
190
191
192
193
194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
195
196 Glu Leu Gln Thr Thr Ile His Asp Ile
197 1 5
198
199 (2) INFORMATION FOR SEQ ID NO: 6:
200
201 (i) SEQUENCE CHARACTERISTICS:
202 (A) LENGTH: 9 amino acids
203 (B) TYPE: amino acid
204 (C) STRANDEDNESS: unknown
205 (D) TOPOLOGY: unknown

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/170,344DATE: 09/01/94
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206
207 (ii) MOLECULE TYPE: peptide
208
209 (iii) HYPOTHETICAL: NO
210
211 (iv) ANTI-SENSE: NO
212
213
214
215
216 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
217
218 Leu Gln Thr Thr Ile His Asp Ile Ile
219 1 5
220
221 (2) INFORMATION FOR SEQ ID NO: 7:
222
223 (i) SEQUENCE CHARACTERISTICS:
224 (A) LENGTH: 9 amino acids
225 (B) TYPE: amino acid
226 (C) STRANDEDNESS: unknown
227 (D) TOPOLOGY: unknown
228
229 (ii) MOLECULE TYPE: peptide
230
231 (iii) HYPOTHETICAL: NO
232
233 (iv) ANTI-SENSE: NO
234
235
236
237
238 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
239
240 Thr Ile His Asp Ile Ile Leu Glu Cys
241 1 5
242
243 (2) INFORMATION FOR SEQ ID NO: 8:
244
245 (i) SEQUENCE CHARACTERISTICS:
246 (A) LENGTH: 9 amino acids
247 (B) TYPE: amino acid
248 (C) STRANDEDNESS: unknown
249 (D) TOPOLOGY: unknown
250
251 (ii) MOLECULE TYPE: peptide
252
253 (iii) HYPOTHETICAL: NO
254
255 (iv) ANTI-SENSE: NO
256
257
258

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/170,344DATE: 09/01/94
TIME: 16:32:09**INPUT SET: S8471.raw**

| Line | Error | Original Text |
|------|---------------------------------|---|
| 5 | Mandatory Value Not Present | (i) APPLICANT: |
| 6 | Unknown or Misplaced Identifier | (A) NAME: KAST, Wybe, Martin |
| 7 | Unknown or Misplaced Identifier | (B) STREET: Maria Rutgersweg 106 |
| 8 | Unknown or Misplaced Identifier | (C) CITY: Leiden |
| 9 | Unknown or Misplaced Identifier | (D) STATE: Zuid-Holland |
| 10 | Unknown or Misplaced Identifier | (E) COUNTRY: the Netherlands |
| 11 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 2331 NX |
| 13 | Unknown or Misplaced Identifier | (A) NAME: MELIEF, Cornelis, Joseph, Maria |
| 14 | Unknown or Misplaced Identifier | (B) STREET: Johan Vermeerstraat 15 |
| 15 | Unknown or Misplaced Identifier | (C) CITY: Heemstede |
| 16 | Unknown or Misplaced Identifier | (D) STATE: Zuid-Holland |
| 17 | Unknown or Misplaced Identifier | (E) COUNTRY: the Netherlands |
| 18 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 2102 BT |
| 20 | Unknown or Misplaced Identifier | (A) NAME: SETTE, Alessandro, D. |
| 21 | Unknown or Misplaced Identifier | (B) STREET: 5551 Linda Rosa Avenue |
| 22 | Unknown or Misplaced Identifier | (C) CITY: La Jolla |
| 23 | Unknown or Misplaced Identifier | (D) STATE: California |
| 24 | Unknown or Misplaced Identifier | (E) COUNTRY: United States of America |
| 25 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 92307 |
| 27 | Unknown or Misplaced Identifier | (A) NAME: SIDNEY, John, C. |
| 28 | Unknown or Misplaced Identifier | (B) STREET: 8541 D Villa La Jolla Drive |
| 29 | Unknown or Misplaced Identifier | (C) CITY: La Jolla |
| 30 | Unknown or Misplaced Identifier | (D) STATE: California |
| 31 | Unknown or Misplaced Identifier | (E) COUNTRY: United States of America |
| 32 | Unknown or Misplaced Identifier | (F) POSTAL CODE (ZIP): 92307 |
| 80 | Unknown or Misplaced Identifier | (A) Moran, Thomas F. |